

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 03-045861 (71)Applicant : RICOH CO LTD
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(54) EXPOSING METHOD FOR OPTICAL MASTER DISK AND DEVICE THEREOF

(57)Abstract:

PURPOSE: To form always stable groove shapes by computing the value relating to the sensitivity of a resist agent applied on an optical disk outputting a control signal to an acoustooptical converter according to this value and setting an exposing light quantity.

CONSTITUTION: The reflected light quantity and transmitted light quantity of the laser light emitted toward this optical master disk 21 are detected at the time of exposing the optical master disk 21 coated with the resist agent by irradiating the disk with the laser beam. The value relating to the sensitivity of the resist agent applied on the optical master disk in accordance with the reflected light quantity and transmitted light quantity detected in such a manner is computed and further the exposing light quantity of the laser beam with which the optical master disk is irradiated is controlled in accordance with the computed value. The sensitivity difference by the unequal coating of the resist agent is corrected in this way by which the stable groove shapes are obtained.